

Fuel Cell Powered Electrical Motor

Abstract

The fuel cell powered electrical motor comprises an electrical motor and a plurality of fuel cell stacks. The electrical motor includes a shaft assembly, a stator encircling the shaft assembly, a rotor encircling the stator, a flywheel located perpendicularly to the shaft assembly, at a top part of the latter, and a base plate located perpendicularly to the shaft assembly, at a low part of the latter. Base plate is designed to allow a fuel from an outside source to enter and exit the several fuel cell stacks and is also adapted for the passage of electrical power output from the fuel cell stacks to an external controller and from the latter to the stator and rotor.